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2. 5,875,298, Feb. 23, 1999, Recording-reproduction apparatus; Isao Harigaya, et al., 348/416; 395/500 [IMAGE AVAILABLE]
3. 5,864,695, Jan. 26, 1999, **IC card** control circuit and **IC card** control system; Junichi Yanagihara, 395/555, 557, 559 [IMAGE AVAILABLE]
4. 5,864,661, Jan. 26, 1999, IC memory card having flash memory; Minoru Ohara, 395/183.18; 371/10.2; 395/182.03, 182.06 [IMAGE AVAILABLE]
5. 5,862,402, Jan. 19, 1999, System for rapidly issuing **IC cards** by proving an association between stored issue data and discrimination data then issuing **IC cards** pursuant to the issue data; Satoshi Sekiya, 395/822; 711/115 [IMAGE AVAILABLE]
6. 5,854,940, Dec. 29, 1998, Output control system for interpreting input data according to a specific control language based upon outputs from a plurality of control language determining devices; Katsuhisa Niihara, et al., 710/5; 395/106, 112, 114, 500 [IMAGE AVAILABLE]
7. 5,848,422, Dec. 8, 1998, Data management device in a karaoke communications system; Masuhiro Sato, et al., 707/203; 395/712; 707/8, 200, 201 [IMAGE AVAILABLE]
8. 5,845,144, Dec. 1, 1998, Information processing apparatus with internal printer; Jiro Tateyama, et al., 395/800.01; 312/223.3; 347/5, 108; 361/683; 395/105, 114; 400/10, 719 [IMAGE AVAILABLE]
9. 5,844,796, Dec. 1, 1998, Machine control device; Kazuhiro Araki, 364/191; 395/712; 399/77 [IMAGE AVAILABLE]
10. 5,841,971, Nov. 24, 1998, Information transmission system for transmitting video signals over cellular telephone networks; Lucas Longginou, et al., 395/200.3 [IMAGE AVAILABLE]
11. 5,835,793, Nov. 10, 1998, Device and method for extracting a bit field from a stream of data; Stephen Hsiao Yi Li, et al., 395/898; 345/516 [IMAGE AVAILABLE]
12. 5,835,685, Nov. 10, 1998, Page printer, resolution converting method, and variable-length reversible compression process; Yoshiaki Hanyu, et al., 395/102, 109 [IMAGE AVAILABLE]
13. 5,832,228, Nov. 3, 1998, System and method for providing multi-level security in computer devices utilized with non-secure networks; James M. Holden, et al., 395/200.55; 709/229, 250; 713/201 [IMAGE AVAILABLE]
14. 5,832,192, Nov. 3, 1998, Printer controlling apparatus and method and recording medium for recording program code for executing the same; Yasuhiro Hino, 395/115, 103 [IMAGE AVAILABLE]
15. 5,822,504, Oct. 13, 1998, Font packing device and font unpacking device; Masayuki Ishibashi, et al., 395/110, 114, 115 [IMAGE AVAILABLE]
16. 5,819,103, Oct. 6, 1998, Information recording/reproducing apparatus and method; Naoki Endoh, et al., 710/1; 345/435; 710/129 [IMAGE AVAILABLE]
17. 5,812,400, Sep. 22, 1998, Electronic postage meter installation and location movement system; Eileen C. Eddy, et al., 705/410; 235/375, 382;

- ▶ 340/825.3, 825.31, 825.34; 713/1, 100 [IMAGE AVAILABLE]
- 18. 5,809,322, Sep. 15, 1998, Apparatus and method for signal processing; Avidan Akerib, 395/800.14; 710/33; 712/19 [IMAGE AVAILABLE]
- 19. 5,809,243, Sep. 15, 1998, Personal interface system for wireless and wired communications; Michael D. Rostoker, et al., 395/200.47; 340/825.72; 455/422; 707/1 [IMAGE AVAILABLE]
- 20. 5,809,241, Sep. 15, 1998, System and method for processing long messages in a chip card; Walter Hanel, et al., 395/200.36 [IMAGE AVAILABLE]
- 21. 5,802,320, Sep. 1, 1998, System for packet filtering of data packets at a computer network interface; Geoffrey G. Baehr, et al., 395/200.79; 340/827; 370/355; 709/229, 243 [IMAGE AVAILABLE]
- 22. 5,801,848, Sep. 1, 1998, Process for transmitting and/or storing information; Oded Kafri, 358/470; 235/494; 358/426, 444, 456, 476; 382/232; 395/114 [IMAGE AVAILABLE]

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24. 5,799,139, Aug. 25, 1998, Image formation processing system; Haruo Yamamoto, et al., 395/114 [IMAGE AVAILABLE]
25. 5,793,961, Aug. 11, 1998, Computer system with data conference capability; Suresh K. Marisetty, et al., 395/200.8; 709/301 [IMAGE AVAILABLE]
26. 5,790,842, Aug. 4, 1998, Processing system with simultaneous utilization of multiple clock signals; Gordon A. Charles, et al., 395/559 [IMAGE AVAILABLE]
27. 5,790,768, Aug. 4, 1998, Process and configuration for an internal cost accounting printout; Harald Windel, et al., 395/117, 101 [IMAGE AVAILABLE]
28. 5,790,410, Aug. 4, 1998, Fuel dispenser controller with data packet transfer command; Walter E. Warn, et al., 364/479.02; 235/381; 380/52; 395/500 [IMAGE AVAILABLE]
29. 5,784,566, Jul. 21, 1998, System and method for negotiating security services and algorithms for communication across a computer network; Steven Viavant, et al., 395/200.59; 380/49; 713/201 [IMAGE AVAILABLE]
30. 5,781,798, Jul. 14, 1998, Method and apparatus for providing hot swapping capability in a computer system with static peripheral driver software; Dana Lynn Beatty, et al., 710/10; 395/500; 710/103 [IMAGE AVAILABLE]
31. 5,774,663, Jun. 30, 1998, Personal banker customer management system providing interactive video communication in real time concerning banking information; William M. Randle, et al., 395/200.34; 902/39 [IMAGE AVAILABLE]
32. 5,768,539, Jun. 16, 1998, Downloading applications software through a broadcast channel; Erik Christopher Metz, et al., 395/200.79; 348/7, 10, 12, 13, 385; 455/4.1, 5.1 [IMAGE AVAILABLE]
33. 5,768,486, Jun. 16, 1998, Printing apparatus; Akio Sugaya, 395/116, 101 [IMAGE AVAILABLE]
34. 5,758,043, May 26, 1998, Image processing method and apparatus; Masashi Takizawa, et al., 395/115; 358/300, 401 [IMAGE AVAILABLE]
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36. 5,752,040, May 12, 1998, Image processing apparatus which can update program; Satoshi Kaneko, et al., 395/712; 399/77, 83 [IMAGE AVAILABLE]
37. 5,748,915, May 5, 1998, Transmission method of changing protocol and data processing apparatus using this method; Yasuo Iijima, 710/105; 395/500 [IMAGE AVAILABLE]
38. 5,742,845, Apr. 21, 1998, System for extending present open network communication protocols to communicate with non-standard I/O devices directly coupled to an open network; Richard Hiers Wagner, 710/11; 395/500; 705/26 [IMAGE AVAILABLE]

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40. 5,737,527, Apr. 7, 1998, **Interactive entertainment apparatus**; Martin A. Shiels, et al., 395/200.47; 345/302; 709/229 [IMAGE AVAILABLE]
41. 5,734,484, Mar. 31, 1998, **Image processing apparatus for receiving multicolor image information and generating two-color image information**; Masahito Yamamoto, et al., 358/500, 296, 501, 515, 518, 530; 382/163, 167; 395/109 [IMAGE AVAILABLE]
42. 5,732,202, Mar. 24, 1998, **Data processing apparatus, data processing method, memory medium storing data processing program, output device, output control method and memory medium storing control program therefor**; Yoshifumi Okamoto, 395/117, 115 [IMAGE AVAILABLE]
43. 5,732,197, Mar. 24, 1998, **Printing control apparatus**; Koji Nakagiri, 395/110, 115 [IMAGE AVAILABLE]
44. 5,724,490, Mar. 3, 1998, **Image forming apparatus for detecting full of file buffer**; Masako Shibaki, et al., 395/114; 358/404, 450 [IMAGE AVAILABLE]
45. 5,710,884, Jan. 20, 1998, **System for automatically updating personal profile server with updates to additional user information gathered from monitoring user's electronic consuming habits generated on computer during use**; Rick Dedrick, 395/200.47; 345/334, 335; 705/26 [IMAGE AVAILABLE]
46. 5,706,413, Jan. 6, 1998, **Printer**; Nobuhisa Takabayashi, et al., 395/110, 115 [IMAGE AVAILABLE]
47. 5,704,020, Dec. 30, 1997, **Page printer resolution converting method, and variable-length reversible compression process**; Yoshiaki Hanyu, et al., 395/102, 114, 115 [IMAGE AVAILABLE]
48. 5,696,984, Dec. 9, 1997, **Output apparatus and method for varying size of cache memory area**; Satoshi Nagata, et al., 395/110, 114; 710/52; 711/115

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50. 5,694,611, Dec. 2, 1997, Microcomputer including internal and direct external control of EEPROM and method of making the microcomputer; Toshiyuki Matsubara, 395/800.39; 365/185.04, 195; 712/37 [IMAGE AVAILABLE]
51. 5,678,029, Oct. 14, 1997, Memory card available for various formats; Yasuo Iijima, 395/500 [IMAGE AVAILABLE]
52. 5,671,366, Sep. 23, 1997, Operating system optimization to permit use of a first unit with a second unit to extend the functionality of the first; Nobuyuki Niwa, et al., 710/101; 395/712; 713/2 [IMAGE AVAILABLE]
53. 5,668,950, Sep. 16, 1997, Network service system and communication unit for game machine and game machine capable of using said network service system; Misao Kikuchi, et al., 395/200.47; 348/7; 455/4.2, 5.1; 463/29, 41, 42; 709/224, 227 [IMAGE AVAILABLE]
54. 5,666,495, Sep. 9, 1997, Method and structure for data transfer between a standard port of a host computer and a custom port of a palmtop computer using a docking station; Keming W. Yeh, 710/101; 364/228.4, 229, 231.1, 231.2, DIG.1; 395/500; 710/62, 72 [IMAGE AVAILABLE]
55. 5,666,487, Sep. 9, 1997, Network providing signals of different formats to a user by multiplexing compressed broadband data with data of a different format into MPEG encoded data stream; William Goodman, et al., 395/200.76; 348/384; 370/395; 382/232 [IMAGE AVAILABLE]
56. 5,666,293, Sep. 9, 1997, Downloading operating system software through a broadcast channel; Erik C. Metz, et al., 395/200.5; 348/7, 10, 12; 455/3.1, 4.1, 4.2, 5.1 [IMAGE AVAILABLE]
57. 5,664,157, Sep. 2, 1997, Noncontact IC card interface unit and communication system using the interface unit; Kenichi Takahira, et al., 395/500; 235/380, 491, 492, 493 [IMAGE AVAILABLE]
58. 5,659,684, Aug. 19, 1997, Methods and apparatus for interconnecting personal computers (PCs) and local area networks (LANs) using packet protocols transmitted over a digital data service (DDS); Michael Joseph Giovannoni, et al., 395/200.8; 370/465; 709/222; 710/71, 72 [IMAGE AVAILABLE]
59. 5,659,459, Aug. 19, 1997, Cartridge for electronic devices including grounding pads and conductive shielding to decrease the wavelength of emitted electromagnetic radiation; Kenichi Wakabayashi, et al., 361/753; 174/51; 361/684, 737, 818; 365/52; 395/115; 711/115 [IMAGE AVAILABLE]
60. 5,644,781, Jul. 1, 1997, Microcomputer having a security function for stored data; Haruo Hagimori, 395/800.37; 235/380, 382; 711/163 [IMAGE AVAILABLE]
61. 5,631,935, May 20, 1997, Method and apparatus for governing information transfer using an efficient transport protocol; Dror Ginossar, 395/200.63; 370/232, 236 [IMAGE AVAILABLE]
62. 5,630,159, May 13, 1997, Method and apparatus for personal attribute selection having delay management method and apparatus for preference

establishment when preferences in a donor device are unavailable; William F. Zancho, 395/200.51; 235/375; 364/DIG.1, DIG.2; 455/558; 706/924 [IMAGE AVAILABLE]

63. 5,619,683, Apr. 8, 1997, Reference international card harmonization coupler; Hans-Diedrich Kreft, 395/500; 710/100; 902/26, 39 [IMAGE AVAILABLE]

64. 5,619,654, Apr. 8, 1997, System for implementing user request by dividing the retrieved corresponding procedure into first command to obtain apparatus name and second command to obtain operation content; Masaki Mukai, et al., 395/200.47; 340/825.22 [IMAGE AVAILABLE]

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66. 5,590,312, Dec. 31, 1996, Method and apparatus for emulating circuitry in a computer system using a system management interrupt; Suresh K. Marisetty, 395/500; 710/260 [IMAGE AVAILABLE]

67. 5,586,323, Dec. 17, 1996, Compilier system using an intermediate abstract form and machine-specific installers; Shinobu Koizumi, et al., 395/705 [IMAGE AVAILABLE]

68. 5,574,859, Nov. 12, 1996, Method and apparatus for using a software configurable connector to connect a palmtop computer having a custom port to a host having a standard port; Keming W. Yeh, 710/101; 364/229.1, 229.5, 231, 231.1, 231.2, 239.3, 241.9, 708.1, DIG.1; 395/500; 708/139; 710/8, 11, 62, 63, 72, 104; 711/104, 115 [IMAGE AVAILABLE]

69. 5,568,594, Oct. 22, 1996, Image forming apparatus with improved ability to emulate other image forming apparatuses; Kazuhisa Suzuki, 395/112; 364/235, 235.6, 930, 930.5, DIG.1, DIG.2 [IMAGE AVAILABLE]

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301/1; 318/568.1, 568.12; 395/80 [IMAGE AVAILABLE]

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73. 5,542,081, Jul. 30, 1996, IC card designed to receive multiple programs in a programmable memory; Francois Geronimi, 395/800.37; 235/380, 381, 487, 492; 714/7 [IMAGE AVAILABLE]

74. 5,537,517, Jul. 16, 1996, Information processing device in an electronic apparatus utilizing an accessory control device and methods of application; Kenichi Wakabayashi, et al., 395/115; 345/515 [IMAGE AVAILABLE]

75. 5,522,049, May 28, 1996, Semiconductor disk device with attachable integrated circuit cards; Masatoshi Kimura, et al., 710/102; 395/500; 711/115 [IMAGE AVAILABLE]

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80. 5,485,553, Jan. 16, 1996, Method and apparatus for managing and initiating video capture and printing; Albert W. Kovalick, et al., 395/106; 386/65, 96 [IMAGE AVAILABLE]

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82. 5,461,705, Oct. 24, 1995, Information processing device in an electronic apparatus utilizing an accessory control device and methods of application; Kenichi Wakabayashi, et al., 395/115, 113 [IMAGE AVAILABLE]

83. 5,461,704, Oct. 24, 1995, Accessory control device and the information processing device and information processing method that it uses; Kenichi Wakabayashi, et al., 395/114, 115 [IMAGE AVAILABLE]

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87. 5,410,642, Apr. 25, 1995, ID card issuing system; Miyuki Hakamatsuka, et al., 395/113, 106 [IMAGE AVAILABLE]
88. 5,410,640, Apr. 25, 1995, Font management system; Takashi Morikawa, et al., 395/110, 117 [IMAGE AVAILABLE]
89. 5,406,386, Apr. 11, 1995, Image data transmitting/receiving apparatus; Junji Yamada, 358/406, 296, 300, 409, 434, 442; 395/114 [IMAGE AVAILABLE]
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et al., 395/712; 364/918, 918.7, 919.4, 935, 946.2, DIG.2; 710/10; 713/100  
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364/232.8, 249, DIG.1 [IMAGE AVAILABLE]

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395/110, 115 [IMAGE AVAILABLE]

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100.08, 100.09; 902/22 [IMAGE AVAILABLE]

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memory elements in a minimal time; Naoki Mitsuishi, et al., 395/800.37;  
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[IMAGE AVAILABLE]

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Shimamoto, et al., 395/200.36; 709/245 [IMAGE AVAILABLE]

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Nicholas S. Myers, 395/200.66; 709/208, 400; 710/12, 14, 30 [IMAGE AVAILABLE]

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capacity of the semiconductor memory; Junichi Kobayashi, et al., 395/500;  
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[IMAGE AVAILABLE]

104. 5,197,123, Mar. 23, 1993, Control apparatus for setting a recording  
format for a recording apparatus; Satoshi Nagata, et al., 707/522; 395/112,  
117 [IMAGE AVAILABLE]

105. 5,179,329, Jan. 12, 1993, Travel control method, travel control device,  
and mobile robot for mobile robot systems; Yuji Nishikawa, et al., 318/587;  
180/168; 318/568.1, 586; 395/83; 701/24; 901/1 [IMAGE AVAILABLE]

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large number of operations which can be broken down into sequences of  
operations of the same kind; Jean-Pierre Bournas, et al., 395/800.42;  
364/228.6, 231.9, 239, 239.4, 262.1, 926.3, 931.49, 933.2, 933.3, 946.8;  
708/524; 710/128 [IMAGE AVAILABLE]

107. 5,150,024, Sep. 22, 1992, Control system of an industrial robot; Yutaka  
Kimura, et al., 318/568.1, 568.2; 395/85 [IMAGE AVAILABLE]

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font pattern; Hiroki Miyachi, 358/444, 404; 395/110, 115, 116 [IMAGE  
AVAILABLE]

109. 5,083,286, Jan. 21, 1992, Image forming apparatus receiving external  
data to perform a predetermined process; Rika Hino, et al., 395/115 [IMAGE  
AVAILABLE]

110. 5,072,237, Dec. 10, 1991, Thermal printer for a portable data terminal; Hiroaki Takaoka, 347/181; 358/473; 395/101 [IMAGE AVAILABLE]
111. 5,058,035, Oct. 15, 1991, Apparatus which records data on the basis of stored format information; Satoshi Nagata, et al., 707/526; 395/117; 707/506, 522, 539 [IMAGE AVAILABLE]
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113. 5,031,116, Jul. 9, 1991, Image forming apparatus; Hiroshi Shukunami, et al., 395/102; 399/370; D18/36 [IMAGE AVAILABLE]
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116. 5,018,079, May 21, 1991, Image forming apparatus; Hiroshi Shukunami, et al., 395/106; 364/920.7, 927.2, 927.5, 927.92, 927.95, 927.99, 928, 929.4, 929.61, 930, 930.42, 931.4, 939, 939.5, 940.62, 941, 941.2, 948.2, 948.3, 964, 965.5, DIG.2 [IMAGE AVAILABLE]
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118. 4,998,213, Mar. 5, 1991, Recording apparatus; Takanobu Suzuki, et al., 395/112; 364/932, 932.7, 953, 953.3, DIG.2 [IMAGE AVAILABLE]
119. 4,954,761, Sep. 4, 1990, Control system of an industrial robot; Yutaka Kimura, et al., 318/568.1, 568.13; 395/80 [IMAGE AVAILABLE]

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L2      182 S L1 AND 705/CLAS
L3      121 S L1 AND 395/CLAS
L4          0 S L3 AND JAVA
L5      75 S JAVA AND 395/CLAS
L6          3 S 235/CLAS AND JAVA

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1. 5,869,819, Feb. 9, 1999, Internet-based system and method for tracking objects bearing URL-encoded bar code symbols; Carl Harry Knowles, et al., **235/375** [IMAGE AVAILABLE]
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